

IN THE CLAIMS

1. (Currently Amended) A constant velocity universal joint comprising:
a cylindrical outer member connected to a transmission shaft, said outer member having guide grooves separated from each other by a predetermined spacing distance and extending in an axial direction on an inner circumferential surface of said outer member[:];
and
an inner member connected to another transmission shaft, said inner member being inserted into an opening in said outer member, said inner member including trunnions each having a spherical surface and annular members each having a spherical recess adapted to receive said spherical surface,
wherein a cutout surface is formed on a part of said spherical surface of said trunnion, to which no torque is applied, an entire circumferential edge of said cutout surface being in contact with said spherical surface.

2. (Previously Presented) The constant velocity universal joint according to claim 1, wherein said cutout surface comprises a flat surface.

3. (Previously Presented) The constant velocity universal joint according to claim 2,

wherein said cutout surface comprises a pair of opposite flat surfaces.

4. (withdrawn) A constant velocity universal joint according to claim 1, wherein said cutout surface comprises a recess or a bore.

5. (withdrawn) A constant velocity universal joint according to claim 4, wherein said cutout surface comprises a pair of opposite bores.

6. (withdrawn) A constant velocity universal joint according to claim 1, wherein said cutout surface comprises a flat surface separating said spherical surface formed in a circumferential direction of said trunnion.

7. (withdrawn) A constant velocity universal joint according to claim 6, wherein said cutout surface comprises a pair of opposite flat surfaces.

8. (withdrawn) A constant velocity universal joint according to claim 1, wherein said cutout surface comprises a curved surface formed in a circumferential direction of trunnion.

9. (withdrawn) A constant velocity universal joint according to claim 8, wherein said cutout surface comprises a pair of opposite curved surfaces.

10. (withdrawn) A constant velocity universal joint according to claim 9, wherein width of said curved surface is decreased gradually from a substantially central portion toward both ends of said curved surface in said circumferential direction.

11. (withdrawn) A constant velocity universal joint comprising:
a cylindrical outer member connected to a transmission shaft, said outer member having guide grooves separated from each other by a predetermined spacing distance and extending in an axial direction on an inner circumferential surface of said outer member; and
an inner member connected to another transmission shaft,
said inner member being inserted into an opening in said outer member, said inner member including trunnions each having a spherical surface and annular members each having a spherical recess adapted to receive said spherical surface,
wherein a pair of cutout surfaces each comprising at least a flat surface, a curved surface, or a composite surface of a flat surface and a curved surface are formed on opposite parts of said spherical surface of said trunnion, to which no torque is applied, and
wherein said spherical recess is formed in a perfectly circular opening of said annular member.

12. (withdrawn) A constant velocity universal joint comprising:

a cylindrical outer member connected to a transmission shaft, said outer member having guide grooves separated from each other by a predetermined spacing distance and extending in an axial direction on an inner circumferential surface of said outer member; and

an inner member connected to another transmission shaft,

said inner member being inserted into an opening in said outer member, said inner member including trunnions each having a spherical surface and annular members each having a spherical recess adapted to receive said spherical surface,

wherein a substantially disk-shaped head is formed by cutting out a part of said spherical surface of said trunnion ,

wherein a pair of cutout surfaces each comprising at least a flat surface, a curved surface, or a composite surface of a flat surface and a curved surface are formed on opposite parts of a band-shaped circumferential surface of said disk-shaped head of said spherical surface of said trunnion, to which no torque is applied, and

wherein said spherical recess is formed in a perfectly circular opening of said annular member.

13. (Previously Presented) The constant velocity universal joint according to claim 1, wherein each of said annular members comprises a non-circular opening for insertion of said

trunnion, said non-circular opening comprising a non-spherical interior cutout surface, said interior cutout surface being in contact with said spherical recess.

14. (Previously Presented) The constant velocity universal joint according to claim 13, wherein said non-circular opening is an elliptical opening and said non-spherical interior cutout surface is an elliptical surface.

15. (Currently Amended) A constant velocity universal joint comprising:
a cylindrical outer member connected to a transmission shaft, said outer member having guide grooves separated from each other by a predetermined spacing distance and extending in an axial direction on an inner circumferential surface of said outer member; and
an inner member connected to another transmission shaft, said inner member being inserted into an opening in said outer member, said inner member including trunnions each having a spherical surface and annular members each having a spherical recess adapted to receive said spherical surface,

wherein a cutout surface is formed on a part of said spherical surface of said trunnion, to which no torque is applied, wherein an entire circumferential edge of said cutout surface is in contact with said spherical surface, and

wherein each of said annular members comprises a non-circular opening for insertion of said trunnion, said noncircular opening comprising a non-spherical interior cutout surface, said interior cutout surface being in contact with said spherical recess.

16. (Previously Presented) The constant velocity universal joint according to claim 15, wherein said non-circular opening is an elliptical opening and said non-spherical interior cutout surface is an elliptical surface.

17. (Previously Presented) The constant velocity universal joint according to claim 15, wherein said cutout surface comprises a flat surface.

18. (Previously Presented) The constant velocity universal joint according to claim 17, wherein said cutout surface comprises a pair of opposite flat surfaces.

19. (Canceled)